


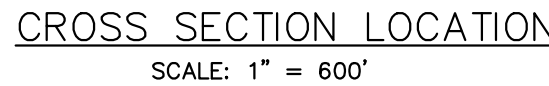




SYMBOLS AND TEST RESULTS	
LI	LIQUID LIMIT
PL	PLASTICITY INDEX
NP	NON-PLASTIC
OC	ORGANIC CONTENT (%)
MC	MOISTURE CONTENT (%)
Kv	LABORATORY VERTICAL HYDRAULIC CONDUCTIVITY (cm/sec)
Kf	FIELD HORIZONTAL HYDRAULIC CONDUCTIVITY (cm/sec)
0/30/42/28	PERCENT GRAVEL, SAND, SILT, AND CLAY
0/39/7/3	PERCENT GRAVEL, SAND, AND SILT PLUS CLAY
(203.16)	GROUNDWATER ELEVATION ON 4/4/11 (FEET ABOVE MEAN SEA LEVEL)
	WATER TABLE (SEE NOTE 5)
	CONTACT BETWEEN MAJOR GEOLOGIC UNITS (DASHED WHERE INTERFERED)
	BEDROCK SURFACE (SEE NOTE 6)



GENERAL DESCRIPTION OF MAJOR GEOLOGIC UNITS:

UNCONSOLIDATED DEPOSITS

ORGANIC SOLS

GENERALLY BLACK PEAT (PT), FIBROUS TO WEATHERED, WITH MINOR AMOUNTS OF ORGANIC SILT (OL) AND/OR CLAY (ON) DEPOSITED IN WETLANDS.

GLACIOALLUVIAL SEDIMENTS

GENERALLY GRAY OR DARK GRAY SILT AND CLAY (CL, CL-ML, ML), DEPOSITED IN A GLACIAL LIVE ENVIRONMENT. INCLUDES DISCONTINUOUS LENSES OF GLACIOFLUVIAL SAND AND GRAVEL.

GLACIAL TILL

GENERALLY BROWN OR GRAY SILT, SANDY DIAMICTON (SM, CM, ML) DEPOSITED BY OR FROM GLACIAL ICE AS BASAL TILL. INCLUDES DISCONTINUOUS LENSES OF SILT, SAND, AND GRAVEL. THESE UNITS MAY BE PRESENT INCLUDING THE HORIZON MEMBER OF THE HOLY HILL FORMATION AND AN OLDER TILL THAT IS DENSE AND GRAYER IN COLOR. THE LOWER TILL IN SOME LOCATIONS INCLUDES NERED SHIVER BEDDING.

GLACIOFLUVIAL SEDIMENTS

GENERALLY GRAY SAND AND GRAVEL (SP-CM, SP-SM, SW, SO) DEPOSITED BY GLACIAL MELTWATER. INCLUDES DISCONTINUOUS LENSES OF SILT/CLAY.

BEDROCK

SHALE = MAQUOKETA FORMATION

GREENISH GRAY SHALE WITH SILTY DOLOMITIC BEDS. CLAY COMPOSITION IS PRIMARILY ILLITE. LATE DIOVOGAN AGE.

DOLOMITE = SINNIPPE GROUP

WHITE TO LIGHT GRAY MASSIVE DOLOMITE AND SHALY DOLOMITE, WITH CHERT. MIDDLE DIOVOGAN AGE.